Date: Mon, 21 Feb 94 04:30:19 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #40
To: Ham-Equip

Ham-Equip Digest Mon, 21 Feb 94 Volume 94 : Issue 40

Today's Topics:

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

Date: 20 Feb 94 17:13:02 GMT
From: agate!howland.reston.ans.net!sol.ctr.columbia.edu!news.kei.com!ddsw1!indep1!
clifto@network.ucsd.edu
Subject: DJ-180T mods
To: ham-equip@ucsd.edu

In article <sevenupCLI5oH.xI@netcom.com> sevenup@netcom.com (Mark W. Moorcroft)
writes:
>Anyone know if the Alinco DJ-180T is able to be modified like some of
>thier other radios by cutting the 2 jumpers ?? I checked on
>ftp.std.com but no joy. I was wondering about any potential chinks
>in its armor that might shy me away from it. I was hoping for
>440 recv capability as well :-)

   No joy here, either. I've been asking and watching for some time now
and no one has volunteered anything. So...
   You know, of course, that the extended receive (sorry, no 440; 130-174
only) is enabled by resetting the radio; turn unit off, hold "Function"
button and "Lamp" button while turning unit on. It _does_ reset the radio,
erasing any frequencies in memory.
   Extended transmit (130-174) is enabled by removing the bottom plate

(battery connector etc.) and clipping the pink wire which is looped around
a connector near the left side, then resetting the radio as mentioned
above. Again, this erases your memories.

   Now, does anyone know what the connector pads (SLC, XWR, SDA) are
there for? I haven't scoped anything yet, but SLC and SDA go to the
EEPROM, and all three go to/from the microprocessor. Only conceivable
guess I could make is that they could be used with a special adapter by
the dealer to pre-program the memories.

--
+---+
| Cliff Sharp | |
| WA9PDM | |
+---+

Date: Sun, 20 Feb 1994 16:18:00 GMT
From: agate!howland.reston.ans.net!cs.utexas.edu!utnut!utgpu!utcsri!
newsflash.concordia.ca!pavo.concordia.ca!md_hill@network.ucsd.edu
Subject: Hardline / heliax
To: ham-equip@ucsd.edu

In article <1994Feb19.031305.18610@newsgate.sps.mot.com>,
kinzer@dtsdev0.sps.mot.com (Dave Kinzer) writes...
>
> I'm considering building up a satellite station, and the first thing
>I need to get figured out is how to run a high quality feed system.
>My operating station is about 80 feet from the proposed rotator position
>(as the coax runs.) This means I need to pay particular attention to
>low loss in this system.
>
> I have discovered I know little about these expensive feed lines, and am
>looking for information on what kind of losses are involved by cable
>type, where I can get detailed information, and finally where I can
>get the actual cable and connectors. I would prefer to run a 50 ohm
>system throughout, since that is what is expected at the transmitter
>and presumed antenna systems. I do know that cable companies sometimes
>have leftover pieces, but it is usually 75 ohm cable. Any pointers
>would be appreciated.
>
Assuming that you are talking about frequencies in the UHF range, then something
like 7/8" Heliax would do quite well. Heliax is sold by Andrew Corp. who are
big on cable and microwave stuff. The 7/8" hardline has about 0.88 dB loss per
100 feet at 450 MHz. Beware...this stuff is NOT cheap (read several $/ft). If
money is a big problem, the next smallest size is 1/2" which has 1.52 dB/100ft
at the same freq. Motorla has a spec sheet on the stuff. If you have a Motorola

office near you, ask them for document R3-3-12G. Heliax is 50 Ohms.
Good luck

-Mark Hillier Internet: MD_HILL@pavo.concordia.ca
   Amateur: VE2HVW
   PACKET: VE2HVW@VE2FKB
" I hear, I forget. I see, I remember. I do, I understand"

Date: Sun, 20 Feb 1994 17:33:58 GMT
From: netcomsv!netcom.com!dgf@decwrl.dec.com
Subject: Hardline / heliax
To: ham-equip@ucsd.edu

In article <20FEB199411185458@pavo.concordia.ca> md_hill@pavo.concordia.ca
(HILLIER, MARK D.) writes:
>In article <1994Feb19.031305.18610@newsgate.sps.mot.com>,
kinzer@dtsdev0.sps.mot.com (Dave Kinzer) writes...
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>>My operating station is about 80 feet from the proposed rotator position
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>like 7/8" Heliax would do quite well. Heliax is sold by Andrew Corp. who are
>big on cable and microwave stuff. The 7/8" hardline has about 0.88 dB loss per
>100 feet at 450 MHz. Beware...this stuff is NOT cheap (read several $/ft). If

I have >100' run distance (due to serious fit of stupidity I located the
tower ~90' from my radio room). My solution was to run 117 VAC out to the
tower base and have a small metal cabinet containing a P/S and a brick.
The only measure I took was to consider loss to the box in amp drive levels.
This way the only remaining feedling was from the base of the tower up to
the antenna. I've even tried transverters out in the outdoor cabinet).

Good luck!

Date: Sun, 20 Feb 94 18:21:25 GMT
From: netcomsv!netcomsv!skyld!jangus@decwrl.dec.com
Subject: Hardline / heliax
To: ham-equip@ucsd.edu

In article <20FEB199411185458@pavo.concordia.ca> md_hill@pavo.concordia.ca writes:

> >
> Assuming that you are talking about frequencies in the UHF range, then > something
> like 7/8" Heliax would do quite well. Heliax is sold by Andrew Corp. who are
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> money is a big problem, the next smallest size is 1/2" which has 1.52 dB/100ft
> at the same freq. Motorla has a spec sheet on the stuff. If you have a Motorola > office near you, ask them for document R3-3-12G. Heliax is 50 Ohms.
> Good luck

At the local RF house, (shamelss plug: Advanced Electronics, Gardena) the Andrew 1/2" line is about $3.70 a foot. The connectors are $50 each.

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "You have a flair for adding
Internet: jangus@skyld.grendel.com | a fanciful dimension to any
US Mail: PO Box 4425 Carson, CA 90749 | story."
Phone: 1 (310) 324-6080 | Peking Noodle Co.

End of Ham-Equip Digest V94 #40
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